## IN THE U.S. PATENT AND TRADEMARK OFFICE

10/777,563

Application No. : 09/435,409 Reissue

Confirmation No. Not ---

Assigned

U.S. Patent No.

6,300,439

**Applicant** 

David H. McConville

Filed

November 8, 1999

2/12/2004

TC/A.U.

1713

Examiner

William Cheung

Docket No.

1999U029.RE.US

Customer No.

25959

**Commissioner for Patents** P. O. Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with Title 37, Sections 1.56, 1.97 and 1.98 of the Code of Federal Regulations, and pursuant to Applicants' duty of candor and good faith toward the United States Patent and Trademark Office, the Examiner's attention is drawn to the art indicated on the attached PTO-1449 form.

Form PTO-1449 is attached to this paper listing documents submitted in the above related case. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of each form be returned to the Agent of record.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information, as defined in 37 CFR § 1.56(a) exists.

A copy of each document is enclosed. Some of the documents may have No significance is meant to be attached to the markings. markings thereon.

1999U029.RE.US.IDS.02.12.04

#### Complete if Known INFORMATION DISCLOSURE Application Number 10/777,563 09/435,409 Reissue STATEMENT BY APPLICANT Filing Date 2/12/2004 February 12, 2004 First Named Inventor David H. McConville (use as many sheets as necessary) Group Art Unit 1796 1713 **Examiner Name** William Cheung Sheet 1 of 8 Attorney Docket Number 1999U029.RE.US **U.S. PATENT DOCUMENTS** Examiner Cite No.1 **Publication Date** Name of Patentee or Applicant of Cited **Document Number** Pages, Columns, Lines Where Initials 1 Document Relevant Passages or Relevant MM-DD-YYYY Number-Kind Code Figures Appear US-5,637,660-A 06-10-1997 Nagy et al. US-5,798,427-A 08-25-1998 Foster et al. US-5,426,243-A 06-20-1995 Jean-Pierre Lecouve US-4,057,565 11-08-1977 Leo Ernest Manzer US-5,726,115-A 03-10-1998 Horton et al. US-6,291,614-B1 09-18-2001 Chen et al. US-6,214,760-B1 04-10-2001 Chen et al. US-6,211,111-B1 04-03-2001 Chen et al. US-5,707,913-A 01-13-1998 Schlund et al. US-5,889,128-A 03-30-1999 Schrock et al. US-6,187,940-B1 02-13-2001 Chen et al. US-5,854,166-A 12-29-1998 Marks et al. US-5,763,549-A 06-09-1998 Elder et al. US-6,417,304-B1 07-09-2002 McConville et al. US-6,399,722-B1 06-04-2002 Szul et al. US-6,380,328-B1 04-30-2002 McConville et al. US-6,333,389-B2 12-25-2001 Whiteker et al. US-6,300,439-B1 10-09-2001 David H. McConville US-6,300,438-B1 10-09-2001 David H. McConville US-6,274,684-B1 08-14-2001 Loveday et al.

		FOREIG	N PATENT DOCUME	NTS		
	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines	
	No. 1	Country Code – Number-Kind Code	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		BE09700674A7	07-06-1999			<del></del>
		WO 99/02536	01-21-1999			
		WO 99/02472	01-21-1999			<del></del>
		WO 98/55467	12-10-1998		<del> </del>	
		WO 97/48736	12-24-1997			<del></del>
		WO 97/45434	12-04-1997			
		WO 97/42197-A1	11-13-1997			<u> </u>
		WO 92/12162-A1	07-23-1992		<del> </del>	
		WO 96/08498-A1	03-21-1996		<del>                                     </del>	

Examiner Signature			
	/William Cheung/	Date Considered	05/02/2010

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

						Complete if Known	
INFO	RMATION	1 DISC	OSURE	Application Num	ber	09/435,409 Reissu	e 10/777,563
STAT	EMENT	BY APP	LICANT	Filing Date		February 12, 2004	2/12/2004
				First Named Inve	entor	David H. McConvil	
(1	use as many sh	eets as nece	ssary)	Group Art Unit			<u>1796</u>
				· · · · · · · · · · · · · · · · · · ·		1713	± / 3 0
				Examiner Name		William Cheung	
Sheet	2	of	8	Attorney Docket	Number	1999U029.RE.US	
				U.S. PATEN	T DOCUMEN	TS	
Examiner	Cite No.1	No.¹ Document Number  Number-Kind Code		Publication Date	<del></del>	atentee or Applicant of Cited	Pages, Columns, Lines Where
Initials *	į			MM-DD-YYYY		Document	Relevant Passages or Relevant Figures Appear
		US-6,271	,325-B1	08-07-2001	McConville et	t al.	3
		US 6,271		08-07-2001	Loveday et al.		
		US 6,265		07/24/2001	McConville et al.		
		US-5,955,555-A		09-21-1999	Alison Benne	tt	
		US-5,674,796-A		10-07-1997	Lee et al.		
		US-5,672	·	09-30-1997	Wasserman et al.		
		US-5,506		04-09-1996	Kissin et al.		
		US-6,410		06-25-2002	Nowlin et al.		
		US-6,403		06-11-2002	Barry et al.		
		US-5,539	<u> </u>	07-23-1998	Nowlin et al.		
17.14		US-5,318	,935-A	06-07-1994	Canich et al.		· · · · · · · · · · · · · · · · · · ·
		US-5,643	846-A	07-01-1997	Reddy et al.		-
		US-5,622	,906-A	04-22-1997	Ted M. Pettijo	ohn	
		US-5,614	456-A	03-25-1997	Mink et al.	7	
		US-6,518	444-B1	02-11-2003	McConville et	al.	
		US-5,317	036-A	05-31-1994	Brady, III et al	l.	
		US-6,225,	421-B1	05-01-2001	Promel et al.		
		US-6,090,	893-A	07-18-2000	Harlin et al.		
		US-4,335,	224	06-15-1982	Matsuura et a	1.	
		US-5,525,	678-A	06-11-1996	Mink et al.		

		FOREIG	N PATENT DOCUME	NTS		
Examiner Cit Initials * No.	Cito	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines	
	No. 1	Country Code – Number-Kind Code	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 98/46651-A2	10-22-1998		<del></del>	
		WO 98/37109-A1	08-27-1998			<del> </del>
		WO 98/34964-A1	08-13-1998	·		<del>                                     </del>
		WO 98/30612-A1	07-16-1998			$\vdash$
		WO 98/30569-A1	07-16-1998			
		WO 98/27124-A1	06-25-1998			<del>                                     </del>
		WO 99/01460-A1	01-14-1999	· · · · · · · · · · · · · · · · · · ·		
		WO 97/19959-A1	06-05-1997			
		WO 99/46304-A1	09-16-1999		<del></del>	

Examiner Signature		
/William Cheung/	Date Considered	05/02/2010

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

## Complete if Known INFORMATION DISCLOSURE Application Number 10/777,563 09/435,409 Reissue STATEMENT BY APPLICANT Filing Date 2/12/2004 February 12, 2004 First Named Inventor David H. McConville (use as many sheets as necessary) 1796 **Group Art Unit** 1713 **Examiner Name** William Cheung Sheet 3 of 8 Attorney Docket Number 1999U029.RE.US **U.S. PATENT DOCUMENTS** Examiner Cite No.1 **Publication Date** Name of Patentee or Applicant of Cited **Document Number** Pages, Columns, Lines Where Initials \* **Document** Relevant Passages or Relevant MM-DD-YYYY Number-Kind Code Figures Appear US-5,319,029-A 06-07-1994 Martin et al. US-5,306,775-A 04-26-1994 Martin et al. US-4,547,551 10-15-1985 Bailey et al. US-4,461,873 07-24-1984 Bailey et al. US-5,102,955-A 04-07-1992 Calabro et al US-5,693,727-A 12-02-1997 Goode et al. US-6,420,507-B1 07-16-2002 Kale et al. US-5,895,771-A4 04-20-1999 Epstein et al.

		FOREIG	N PATENT DOCUME	NTS		
Examiner Cite No. 1	Cito	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines	
		Country Code - Number-Kind Code	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 99/46303-A1	09-16-1999			
	-	WO 97/02294-A1	01-23-1997			
		WO 97/46599-A1	12-11-1997			<del> </del>
		WO 00/37556-A1	06-29-2000		<del> </del>	
		WO 98/49209-A1	11-05-1998	100		
		WO 99/12981-A1	03-18-1999			<del></del>
		WO 98/46651-A3	10-22-1998		<del></del>	
		WO 97/48735-A1	12-24-1997		<del></del>	
		WO 94/21700-A1	09-29-1994		<del>-</del>	<del></del>

Examiner Signature			
	/William Cheung/	Date Considered	05/02/2010

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

<u> </u>			· · · · · · · · · · · · · · · · · · ·		<del>, </del>						
						_		Complete if Kn	own		-
				LOSURE	Application	n Num	ber	09/435,409 F	Reissu	e 10/777,563	
STAT	EMEN	T B	YAP	PLICANT	Filing Date	<del>)</del>		February 12, 2004 2/12/2004			
<b>1</b> ,	(use as man	v char	ate ae nac	accan/l	First Named Inventor			David H. Mc	Convil	le .	<del></del>
,	(000 00 111811	y 31100	513 A3 11CC	essary)	Group Art Unit			1713	30117111	1796	
					Examiner	Name	<del> </del>	William Cheu	ına -		
Sheet	4		of	8	Attorney D	locket	Number				
-			10.				T DOCUMEN	1999U029.RE.L	75		
Examiner	Cite No	1								Υ -	
Initials *				Publication MM-DD-Y		Name of Pa	atentee or Applicant of Document	Cited	Pages, Columns, Lines W Relevant Passages or Rele Figures Appear	here evant	
<u> </u>		_									
	<del> </del>	-									
		+						<del></del>			
		_							-		
·		-									
		+			<u> </u>					ļ	
		_									
											_
		$\dashv$									
	<u> </u>										
		_					<del></del>				
		1							*		
		$\perp$									
		$\dashv$	<u></u>					<del></del>			
					<u> </u>						
					FOREIGN	PATE	NT DOCUM	ENTS			
Examiner	Cite		For	eign Patent Doc	ument	Ī	Dublication	Name of Patente		Pages, Columns, Lines	Г
Initials *	No. 1	Со	untry Co	de – Number-Kin	d Code	М	Date M-DD-YYYY	Applicant of Cit Document	ed	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		-	91/122			08-2	22-1991				$\vdash$
		-	O 98/371				27-1998				
			0 893 4		<del>.</del>		27-1999				
			0 423 9		-		20-1994 24-1991		_		
			0 529 9				03-1993				<u> </u>
		EP	0 528 52	23 A1			24-1993				
			0 533 4				24-1993				
	·	<u>L EP</u>	0 241 56	50 A1		10-2	21-1987				
Examiner Signature											
<u> Jignature</u>			/Williar	m Cheung/				Date Considered		05/02/2010	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

					<u> </u>			Complete if Kn	own		
INFO	DRA ATI	ΩA	יו שופע	LOSURE	Application	Num	hor			10/222 FCO	
				PLICANT	Filing Date		1061	09/435,409 Reissue 10/777,563			
JAI	CIAIC 14	1 10	O I AP	PLICANI				February 12,			
,	(use as man	y she	eets as nec	essary)	First Named Inventor			David H. Mc			
					Group Art			1713	17	96	
					Examiner Name		William Cheu	ına			
Sheet	5		of	8	Attorney D	ocket	Number	1999U029.RE.U			
					U.S. P	ATEN	T DOCUMEN				
Examiner	Cite No	.1	Docu	ment Number	Publication Date Name of Pa		atentee or Applicant o	f Cited	Pages, Columns, Lines W	here	
Initials *	Initials * Number-Kind Code			MM-DD-YY	ΥΥ		Document		Relevant Passages or Rele Figures Appear	evant	
					<u> </u>						
	<del> </del>			<del></del>							
					<u> </u>	_	<del> </del>	· · · · · · · · · · · · · · · · · · ·			
		_									
	<u> </u>					_					
		$\dashv$					<del> </del>				
		$\neg$			<del>                                     </del>		·				
					<u> </u>						
		$\dashv$			_			·			
		$\dashv$			<del>                                     </del>				-		
		コ								<del></del>	
		_									
<del></del> -		$\dashv$									
								··			
					FOREIGN	PATE	NT DOCUM	FNTS			
			Fore	eign Patent Doc			Publication	Name of Patente	e or	Pages, Columns, Lines	-
Examiner Initials *	Cite No. 1	C		de – Number-Kin		-	Date M-DD-YYYY	Applicant of Cit Document		Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		E	P 0 816 37	72 A1		07.0	01-1998			лърса	
			P 0 751 14				19-1998				
		E	P 0 751 14	12 A2			2-1997				
			P 0 668 29				3-1998				
			0 816 38				7-1999				
	<del></del>		<sup>2</sup> 0 816 38 <sup>2</sup> 0 890 57		<del> </del>		7-1998				
		_	0 197 31				3-1999  5-1986				
			0 874 00				28-1998				
Examiner Signature											
					/William C	heur	ng/	Date Considered		05/02/2010	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

					<del></del>					
								C mplete if Known		
INFO	RMATIC	NC	DISC	LOSURE	Application Number		ber	09/435,409 Reissue 10/777,563		
STAT	EMENT	r B	Y AP	PLICANT	Filing Date			February 12, 2004 2/12/2004		
,,	use as many	cha	ete ae nece	accond	First Name	d Inve	entor	David H. McConvill		
,	doc do many	31100	513 43 11666	53561 y)	Group Art U	Jnit		1713	1796	
					Examiner N	lame	••	William Cheung		
Sheet 6 of 8			Attorney Do	cket	Number	1999U029.RE.US				
					<u> </u>		T DOCUMEN			
Examiner	Cite No.	1	Doour	ment Number	Publication [			tentee or Applicant of Cited	Pages, Columns, Lines W	here
Initials *		┟		er-Kind Code	MM-DD-YYYY	Document Document		Relevant Passages or Relevant		
		-+	Numb	ei-Kina Code	<del> </del> -			Figures Appear		
		_								
						_				
		4								
	ļ <u>-</u>	+								
		$\dashv$						<del></del>		
		-								
		$\dashv$								
		$\dashv$								$\dashv$
_		$\perp$								
		$\dashv$								
		-								
				<del></del>	FOREIGN	PATE	ENT DOCUME	ENTS		
			For	eign Patent Doc			Publication	Name of Patentee or	Pages, Columns, Lines	-
Examiner Initials *	Cite No. 1	Co		de – Number-Kin		ł	Date M-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
			0 803 52			12-	16-1998		<u>.</u>	$\vdash \vdash \vdash$
		1	10-3304			1	15-1998			х
			10-3304	16 663 Abstract			15-1998			
				4 Abstract			19-1990 17-1998			<b>  </b>
	<del></del>			7 Abstract	. <del>.</del>		22-1996			
		JP	8-81415				26-1996	<del></del>	<del></del>	$\vdash$

Examiner Signature			
	/William Cheung/	 Date Considered	05/02/2010

10-22-1996

01-13-1998

Information Disclosure Statement 8-26-99

JP 8-277307 Astract

JP 10-07712 Abstract

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of US Patent Documents. <sup>3</sup> Enter Office that issued the Document by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

### Complete if Known **Application Number** 10/777,563 09/435,409 Reissue INFORMATION DISCLOSURE Filing Date February 12, 2004 2/12/2004 STATEMENT BY APPLICANT First Named Inventor David H. McConville (use as many sheets as necessary) Group Art Unit 1713 1796 **Examiner Name** William Cheung Attorney Docket Number 1999U029.RE.US Sheet Of 7 8

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHUNMING WANG, STEFAN FRIEDRICH, TODD R. YOUNKIN, ROBERT T. LI, ROBERT H. GRUBBS, DONALD A. BANSLEBEN, & MICHAEL W. DAY, Neutral Nickel (II)-Based Catalysts for Ethylene Polymerization, Organometallics 1998, 17, 3149-3151	
		XIAOHONG BEI, DALE C. SWENSON, & RICHARD F. JORDAN, Synthesis, Structures, Bonding, and Ethylene Reactivity of Group 4 Metal Alkyl Complexes Incorporating 8-Quinolinolato Ligands, <i>Organometallics</i> 1997, 16, 3282-3302	
	,	FRÉDÉRIC GUÉRIN, ORIN DEL VECHHIO & DAVID H. MCCONVILLE, Ortho-substituted aryl diamido complexes of zirconium: observation of rotameric isomers, <i>Polyhedron</i> Vol. 17, No. 5-6, pp. 917-923, 1998	
		TIMO REPO, MARTTI KLINGA, PEKKA PIETIKAINEN, MARKKU LESKELÄ, ANNE-MARJA UUSITALO, TUULA PAKKANEN, KIMMO HAKALA, PÄIVI AALTONEN & BARBRO LÖFGREN, Ethylenebis(salicylideneiminato)zirconium Dichloride: Crystal Structure and Use as a Heterogeneous Catalyst in the Polymerization of Ethylene, <i>Macromolecules</i> 1997, 30, 171-175	
		FRÉDÉRIC GUÉRIN, DAVID H. MCCONVILLE, & JAGADESE J. VITTAL, Conformationally Rigid Diamide Complexes of Zirconium: Electron Deficient Analogues of Cp₂Zr, <i>Organometallics</i> 1996, 15, 5586-5590	
		HANS FUHRMANN, SIMON BRENNER, PERDITA ARNDT, & RHETT KEMPE, Octahedral Group 4 Metal Complexes That Contain Amine, Amido, and Aminopyridinato Ligands: Synthesis, Structure, and Application in α-Olefin Oligo- and Polymerization, <i>Inorg. Chem.</i> 1996, 35, 6742-6745	
		ROBERT BAUMAN, WILLIAM M. DAVIS, & RICHARD R. SCHROCK, Synthesis of Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligand, [((t-Bu-d <sub>6</sub> )N-o-C <sub>6</sub> H <sub>1</sub> ) <sub>2</sub> O] <sup>2-</sup> ({NON} <sup>2-</sup> ) and the Living Polymerization of 1-Hexene by Activated [NON]ZrMe <sub>2</sub> , J. Am. Chem. Soc. 1997, 119, 3830-3831	
		JOHN D. SCOLLARD & DAVID H. MCCONVILLE, Living Polymerization of α-Olefins by Chelating Diamide Complexes of Titanium, <i>J. Am. Chem. Soc.</i> 1996, 118, 10008-10009	
		FRÉDÉRIC GUÉRIN, DAVID H. MCCONVILLE & NICHOLAS C. PAYNE, Conformationally Rigid Diamide Complexes: Synthesis and Structure of Titanium(IV) Alkyl Derivatives, <i>Organometallics</i> 1996, 15, 5085-5089	
		ANDREW D. HORTON, JAN DE WITH, ARIAN J. VAN DER LINDEN & HENK VAN DE WEG, Cationic Alkylzirconium Complexes Based on a Tridentate Diamide Ligand: New Alkene Polymerization Catalysts, <i>Organometallics</i> 1996, 15, 2672-2674	
		HOWARD C. S. CLARK, F. GEOFFREY N. CLOKE, PETER B. HITCHCOCK, JASON B. LOVE, & ADRIAN P. WAINWRIGHT, Titanium(IV) complexes incorporating the aminodiamide ligand [(SiMe <sub>3</sub> ) N{Ch <sub>2</sub> CH <sub>2</sub> N(SiMe <sub>3</sub> )} <sub>2</sub> ] <sup>2</sup> (L); the X-ray crystal structures of [TiMe <sub>2</sub> (L)] and [TiCl{CH(SiMe <sub>3</sub> ) <sub>2</sub> }(L)], Journal of Organometallic Chemistry 501, 1995, 333-340	

Examiner		Date	
Signature	/William Cheung/		05/02/2010
Signature	/William Cheung/	Completed	03/02/2010
	-		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if the English language Translation is attached.

				C mplete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			LOSUBE	Application Number	09/435,409 Reissue	10/777,563
				Filing Date	February 12, 2004	2/12/2004
			essary)	First Named Inventor	David H. McConville	
			^	Group Art Unit	1713	1796
				Examiner Name	William Cheung	
Sheet	8	of	8	Attorney Docket Number	1999U029.RE.US	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		FRÉDÉRIC GUÉRIN, DAVID H. MCCONVILLE, JAGADESE J. VITTAL & GLEN A. P. YAP, Synthesis, Structure, and Reactivity of Zirconium Alkyl Complexes Bearing Ancillary Pyridine Diamide Ligands, <i>Organometallics</i> 1998, 17, 5172-5177	<u> </u>
		GIUSEPPE DI SILVESTRO, PIERO SOZZANI, & ALBERTO TERRAGNI, Polymerization of propene with enantiomorphic site catalysts, 1, <i>Macromol. Chem. Phys.</i> 197, 3209-3228 (1996)	
		EUGENE OU-XIAN CHEN & TOBIN J. MARKS, Cocatalysts for Metal-Catalyzed Olefin Polymerization: Activators, Activation Processes, and Structure-Activity Relationships, Chem. Rev. 2000, 100, 1391-1434	
		K. EBNER, Bi-Model HDPE for Piping Systems and Further Applications, Advances in Plastics Technology APT'97, 9-11 December 1997, Katowice, Poland, pp 1-8	
		J. BERTHOLD, L. L. BÖHM, H. F. ENDERLE, P. GÖBEL, H. LÜKER, R. LECHT, & U. SCHULTE, Advanced polymerization process for tailor made pipe resins, <i>Plastics, Rubber and Composites Processing and Applications</i> 1996, Vol. 25, No. 8, pp. 366-372	
		A. MUÑOZ-ESCALONA, L. MÉNDEZ, J. SANCHO, P. LAFUENTE, B. PEÑA, W. MICHIELS, G. HIDALGO & M. F. MARTINEZ-NUÑEZ, Development of Supported Single-Site Catalysts and Produced Polyethylene, Metalorganic Catalysts for Synthesis and Polymerisation, Recent Results by Ziegler-Natta and Metallocene Investigations, pp. 381-396 (1999)	
		JOHN SCHEIRS, LUDWIG L. BOHM, JESSE C. BOOT & PAT S. LEEVERS, PE100 Resins for Pipe Applications:  Continuing the Development into the 21 <sup>st</sup> Century, <i>TRIP</i> Vol. 4, No. 12, December 1996, pp.408-415	
	-	F. GEOFFREY N. CLOKE, PETER B. HITCHCOCK & JASON B. LOVE, Zirconium Complexes incorporating the New Tridentate Diamide Ligand [(Me₃Si)N{CH₂Ch₂N(SiMe₃)}₂]² (L); the Crystal Structures of [Zr(BH₄)₂L] and [ZrCl{CH(SiMe₃)₂}L], J. Chem. Soc. Dalton Trans. 1995, pp. 25-30	
		AAPO U. HÄRKÖNEN, MARKKU AHLGRÉN, TAPANI A. PAKKANEN, & JOUNI PURSIAINEN, Synthesis, crystal structure and characterization of the heterometallic tetranuclear butterfly cluster [Ru <sub>3</sub> IrH <sub>2</sub> (CO) <sub>12</sub> Cl], Journal of Organometallic Chemistry 519 (1996), pp. 205-208	
		LAN-CHANG LIANG, RICHARD R. SCHROCK, WILLIAM M. DAVIS, & DAVID H. MCCONVILLE, Synthesis of Group 4 Complexes that Contain the Diamidoamine Ligands, [2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NR] <sup>2-</sup> ([Mes <sub>2</sub> N <sub>2</sub> NR] <sup>2-</sup> ; R = H or CH <sub>3</sub> ), and Polymerization of 1-Hexene by Activated [Mes <sub>2</sub> N <sub>2</sub> NR]ZrMe <sub>2</sub> Complexes, J. Am. Chem. Soc. 1999, 121, 5797-5798	
_			

Examiner Signature	/William Cheung/	Date Completed	05/02/2010

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if the English language Translation is attached.